

**DIVISION OF SOLID WASTE SERVICES
DEPARTMENT OF PUBLIC WORKS
AND TRANSPORTATION**

**FY 2009 COUNTY EXECUTIVE RECOMMENDED
OPERATING BUDGET PRESENTATION**

MARCH 18, 2008

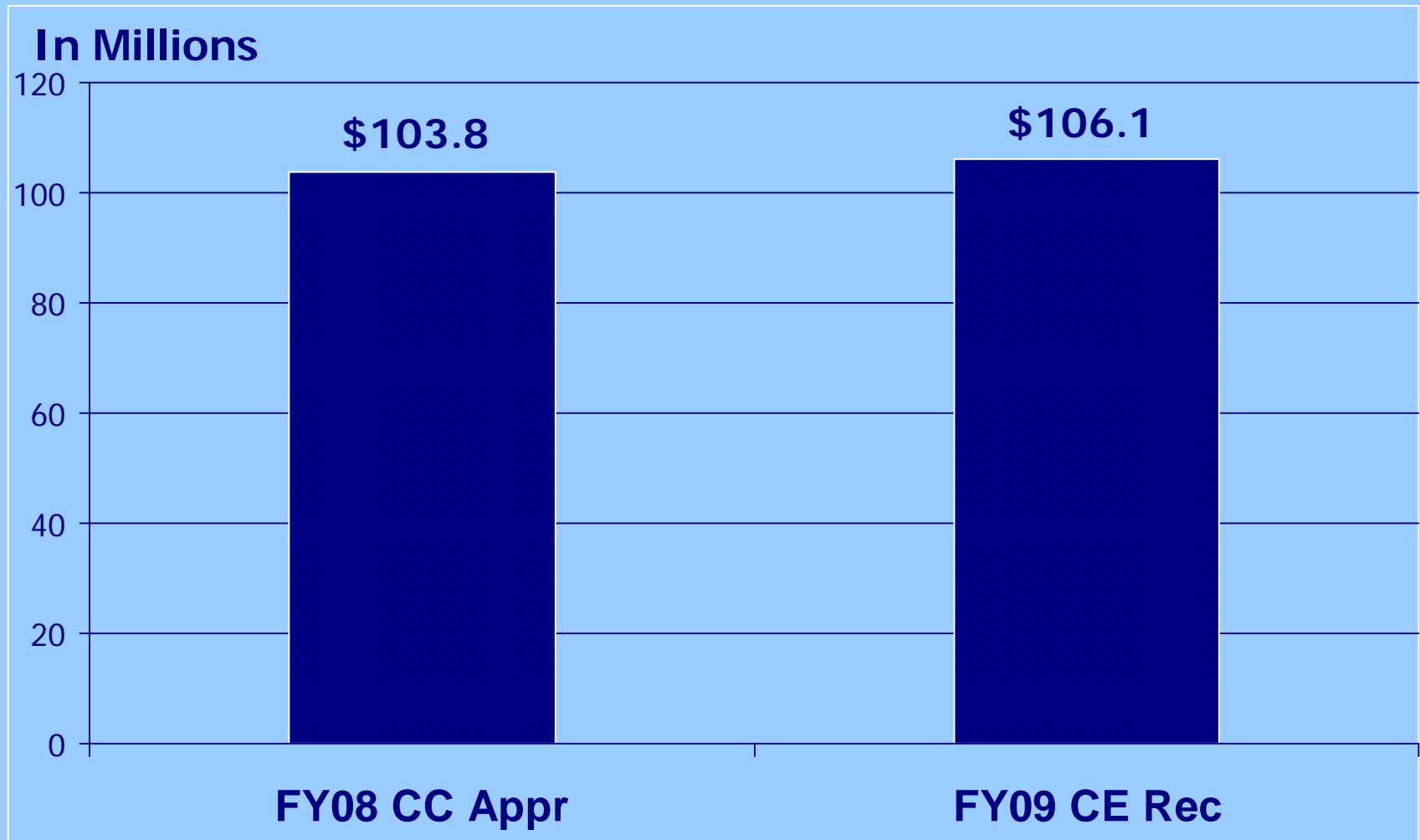
Prepared for the Solid Waste Advisory Committee

BUDGET OVERVIEW

\$106.1 Million

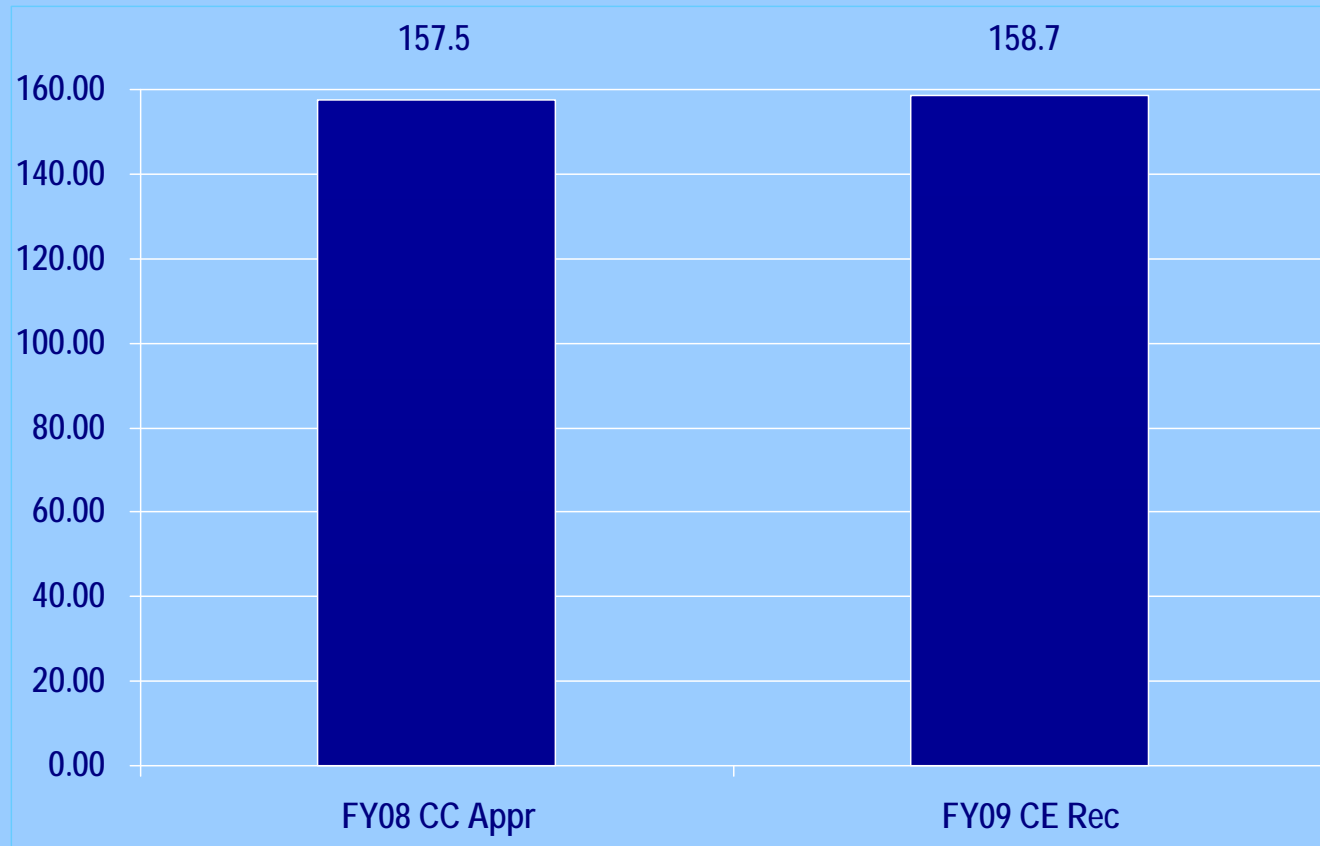
- **Personnel Costs: 12.8% or \$13.6 million**
- **Operating Expenses: 85.6% or \$90.8 million**
- **Capital Outlay: 1.6% or \$1.7 million**

EXPENDITURES



WORK YEARS

(In Millions)



AUTOMATION

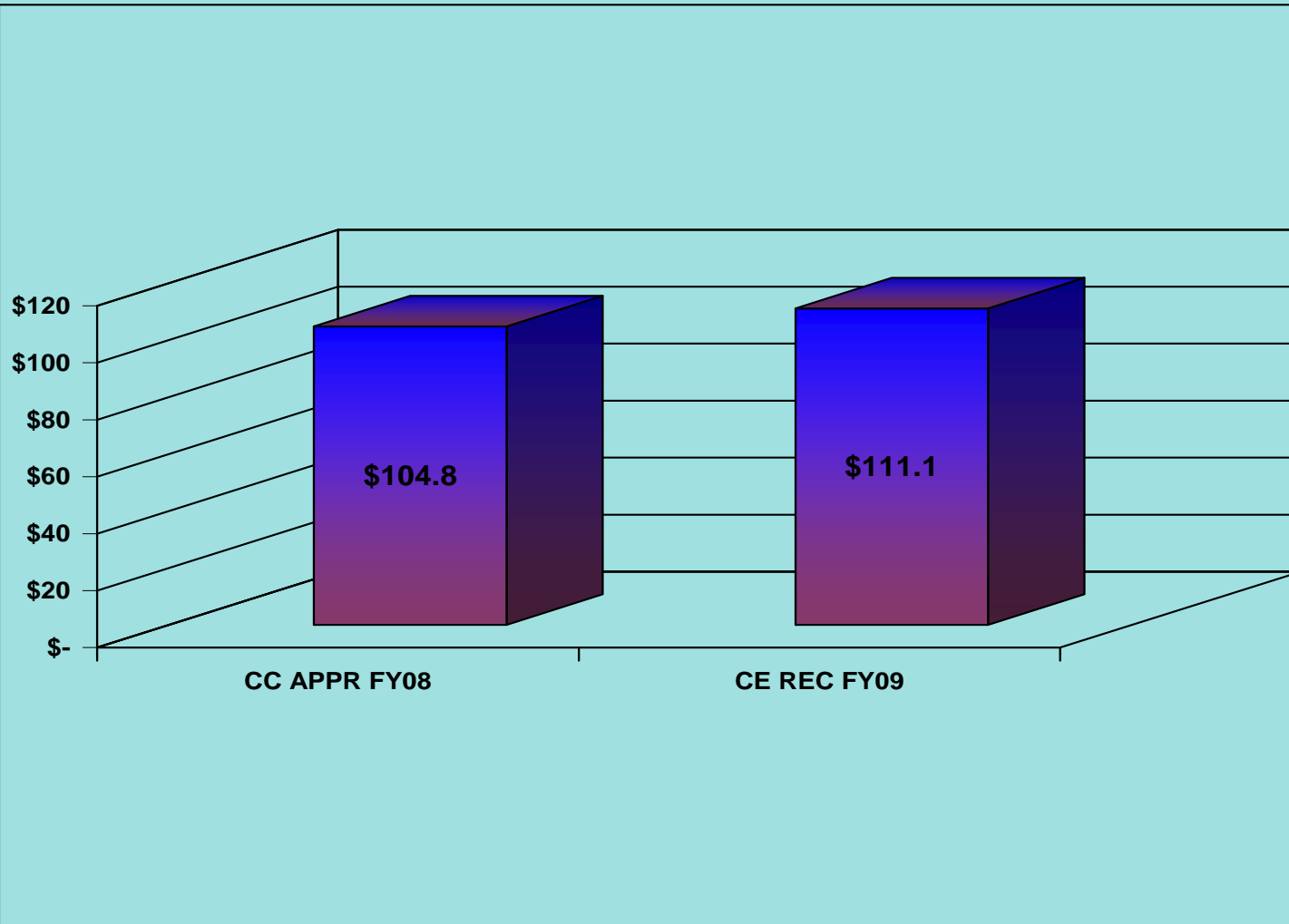
- **Decreased 23% to \$351k**
- **Decrease due to prior fiscal year including additional costs for Department of Technology Services' server migration**
- **Provides for the overall operation and maintenance of existing computer equipment, as well as the purchase of any new automation equipment and technology to support effective and efficient achievement of the Division's mission**
- **Enhance web communications with customers**
- **Use databases and computer mapping as management tools**
- **Develop and support the Oracle database**

REVENUE MANAGEMENT & SYSTEM EVALUATION

- **Increased 1% to \$604k**
- **Provides for managing the enterprise fund business processes and supports solid waste policy issues through overall system evaluation.**
 - **Rate setting and fiscal management**
 - **System-wide tonnage, revenue tracking, and forecasting**
 - **Quality assurance of rate-payer database**
 - **Appeals processing**
 - **Hauler credit account billing**
 - **Business management**
 - **Benchmarking and performance measurement**

REVENUE

(In Millions)



FY09 PROPOSED SOLID WASTE SERVICE CHARGES TO BE COLLECTED VIA REAL PROPERTY ACCOUNT BILLING

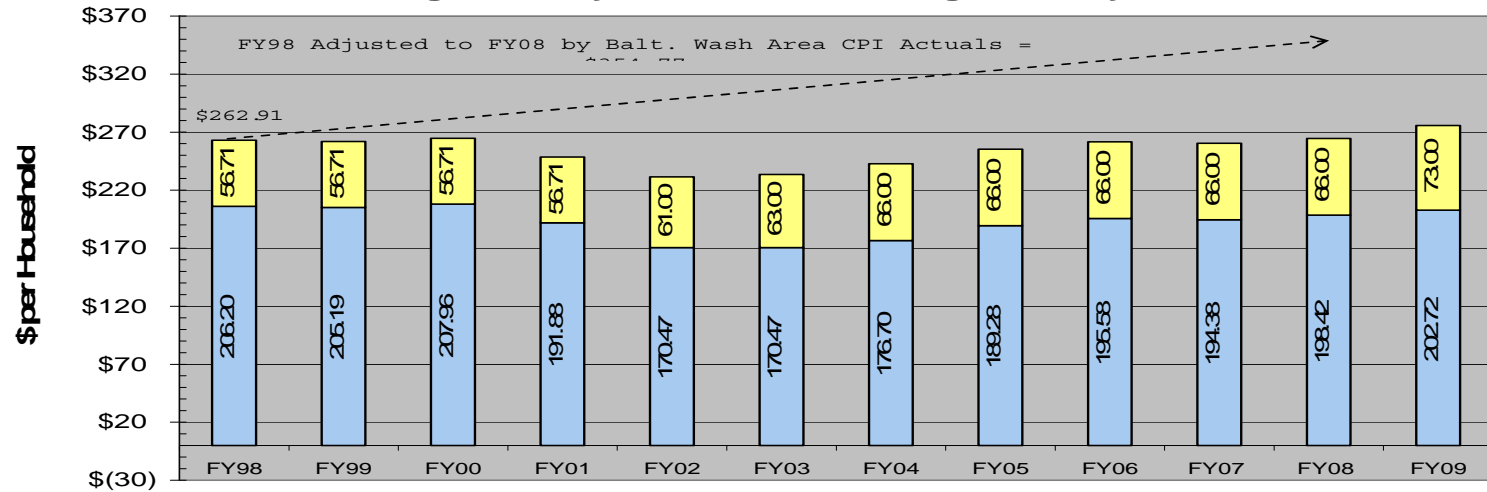
	Base Charge (\$/ton)	x	Billing Rate (tons/HH)	=	Disposal Charge	+	Base Systems Benefit Charge	+	Incremental Systems Benefit Charge	+	Refuse Collection Charge	+	Leaf Vacuuming Charge	=	Total Bill
Code Reference	48-32(a)(1)				48-32(c)(2)		48-8A(b)(2)(A)		48-8A(b)(2)(B)		48-29		48-47		
SUBDISTRICT A (Refuse Collection District) *															
Inside Leaf Vacuuming District	\$ 56.00		0.93549		\$ 52.39		\$ 30.25		\$120.08		\$ 73.00		\$ 93.04		\$ 368.76
Outside Leaf Vacuuming District	\$ 56.00		0.93549		\$ 52.39		\$ 30.25		\$120.08		\$ 73.00				\$ 275.72
Incorporated							\$ 30.25								\$ 30.25
SUBDISTRICT B SINGLE-FAMILY **															
Incorporated							\$ 30.25								\$ 30.25
Inside Leaf Vacuuming District															
Unincorporated	\$ 56.00		0.93549		\$ 52.39		\$ 30.25		\$120.08				\$ 93.04		\$ 295.76
Outside Leaf Vacuuming District															
Unincorporated	\$ 56.00		0.93549		\$ 52.39		\$ 30.25		\$120.08						\$ 202.72
MULTI-FAMILY RESIDENTIAL **															
Incorporated							\$ 2.17		\$14.24						\$ 16.41
Unincorporated															
Outside Leaf Vacuuming District							\$ 2.17		\$14.24						\$ 16.41
Inside Leaf Vacuuming District							\$ 2.17		\$14.24				\$ 4.04		\$ 20.45
NONRESIDENTIAL - \$/2,000 SQ. FT. ***															
Code Reference															
Waste Generation Categories															
Low							\$ 80.89		\$ 10.32						\$ 91.21
Medium Low							\$ 242.66		\$ 30.97						\$ 273.63
Medium							\$ 404.44		\$ 51.62						\$ 456.06
Medium High							\$ 566.22		\$ 72.27						\$ 638.49
High							\$ 727.99		\$ 92.92						\$ 820.91

OTHER PROPOSED FY 09 SOLID WASTE FEES

Base Solid Waste Charge under Section 48-32(a)(1): (This is known as the "Tipping Fee")		\$56.00 /disposal ton	
Waste delivered for disposal <500 lb loads in privately owned and operated vehicles or trailers <1,000 capacity per Section 48-32(c)(2):		\$0.00 /disposal ton	Recyclable Materials Acceptance Fees (Section 48-32(a)(2)):
			Paper and Commingled Containers \$0.00 /ton
			Yard Trim \$40.00 /ton
Waste delivered in open-top roll-off box	\$60.00 /disposal ton	Miscellaneous (48-31(f)):	Compost Bins \$0.00 each

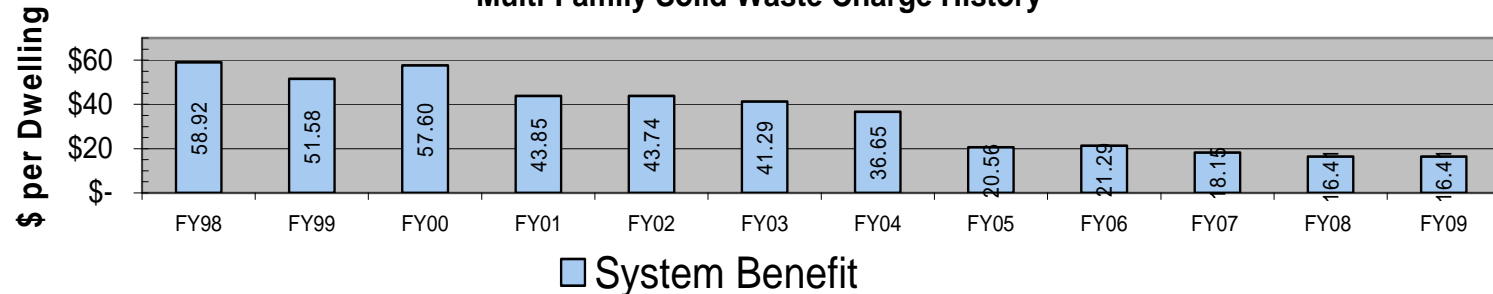
SERVICE CHARGES

Single-Family Solid Waste Charge History

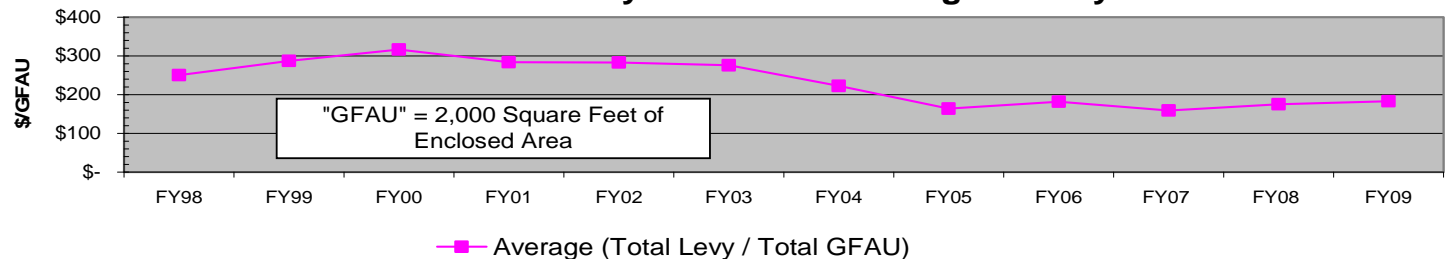


*Includes Disposal Fee (pre-paid "Tipping Fee") plus Base System Benefit plus Incremental System Benefit Charges

Multi-Family Solid Waste Charge History



Non-Residential System Benefit Charge History

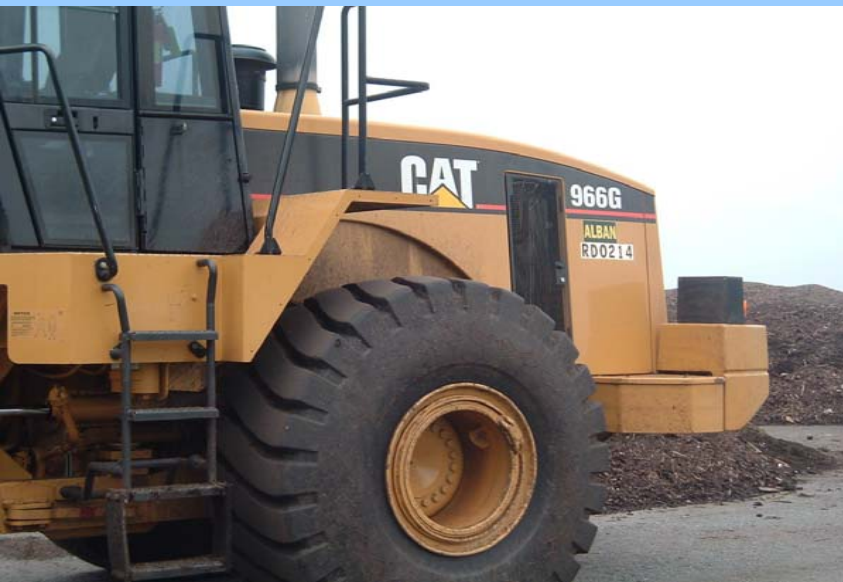


COMMERCIAL RECYCLING & WASTE REDUCTION

- Increased 11% to \$1.69 million (\$697k for outreach/education)
- Increase due to personnel reallocation and miscellaneous adjustments
- Provides for mandatory commercial sector recycling and waste reduction
- Increase enforcement-related actions
- Maintain work on Cooperative Collection
- Maintain aggressive program of site visits
- Expand educational materials on recycling regulations
- Continue regulation-related activities
- Conduct waste audits to identify additional recycling opportunities

DICKERSON COMPOST FACILITY

- Increase of 26% to \$4.1 million
- Increase due to projected tonnage
- Provides processing, transportation and composting of yard trim material received at facility
- Market finished products: Leafgro in bulk and bags, and ComPRO in bags
- Replace a loader; pond-pipe & Screener with a conveyor



DICKERSON MASTER PLAN

- **Decreased 20% to \$236k**
- **Decrease due to items required to be done in the FY09 Facilities Master Plan**
- **Provides implementation of Solid Waste Facilities Master Plan and environmental monitoring by the Department of Environmental Protection (DEP)**
- **Identifies the environmental, community, and operational effects of solid waste facilities in the Dickerson area (i.e. the Resource Recovery Facility, Site 2 Landfill, and Compost Facility)**
- **Items required by the Master Plan in FY08 include:**
 - **DAFIG support**
 - **Forest maintenance**
 - **62% of the budget is for DEP monitoring**

GUDE LANDFILL

- **Increased 4% to \$374k**
- **Increase due to contractor unit cost increases**
- **Encompasses all operational functions necessary to maintain the Gude Landfill, which closed in 1982, in an environmentally sound and cost-effective manner**
- **Provides for the post-closure operation and maintenance of the landfill gas collection system and flare station**
- **Site maintenance of stormwater and erosion, and sedimentation control features**
- **Monitor (performed by DEP) and maintain the landfill gas groundwater monitoring wells**

MIXED PAPER RECYCLING

- **Increased 3% to \$1.7 million**
- **Increase due to contractual agreement with Office Paper Systems (OPS) (see below)**
- **Provides for the management, processing, and marketing of the County's residential mixed paper recycling**
- **Contract base is 90,000 tons x \$15/ton; increase due to 75% of Consumer Price Index (CPI) adjustment minus \$150k/yr credit for years 6-13 of OPS' contract**

OAKS LANDFILL

- Same level of funding – \$1.52 million
- Provides for the post-closure operation and maintenance of the landfill gas collection system and flare station
- Site maintenance of stormwater and erosion, and sedimentation control features
- Monitor (performed by DEP) and maintain the landfill gas groundwater monitoring wells
- Leachate hauling and operation of the Leachate Pretreatment Plant
- Infrastructure and equipment maintenance

OUT-OF-COUNTY REFUSE DISPOSAL

- Increased 6% to \$13.4 million
- Increase due to inflation and projected tonnage
- Provides for the rail shipment of ash residue that is designated for disposal from the Resource Recovery Facility to a contracted landfill facility in Brunswick County, Virginia. The County has a dedicated disposal cell area at this landfill.
- Provides for the shipment of nonprocessable waste, such as construction material and, if necessary, bypass waste, from the Transfer Station to either recycling facilities or the contracted landfill.
- Recycling of bulky wood waste and clean asphalt and concrete
- In calendar year 2007, approximately 177k tons of ash and 95k tons of non-processible waste were transported to the Brunswick Landfill site.

RECYCLING & WASTE REDUCTION MULTI-FAMILY DWELLINGS

- Same level of funding \$718k (\$324k for outreach/education)
- Provides for mandatory recycling and waste reduction for multi-family properties
- Increase enforcement-related actions
- Maintain aggressive program of site visits
- Publish educational materials on regulations
- Continue education of property owners and managers
- Provide additional education to residents
- Provide bins for distribution and replacement

RECYCLING - RESIDENTIAL

- **Increased 5% to \$18.7 million**
- **Increase due to contractual obligations (i.e. cost of living increases to contractors, new homes, and fuel costs predicted to be substantial)**
- **Provides for procuring, administering, and enforcing County-wide contracts for residential curbside collection with private haulers and responding to service needs from citizens**
- **Number of households served:**
 - **FY08 Estimate – 208,903**
 - **FY09 Estimate – 210,591**

RECYCLING CENTER

- Increased 3% to \$3.8 million
- Increase due to household counts, fuel costs, adding shifts to handle increased commingled material, providing sufficient funding for unexpected repairs, and purchasing a new forklift
- Provides for the separation, processing, and marketing of recyclable materials
- Inbound material in FY08 has averaged 101 tons per day while the processing system ideally handles about 91 tons per day; we are currently using second shifts in FY08, however, the second shifts were not funded
- The Center has been in operation for 16½ years and unexpected repairs have already occurred (i.e. the need to replace part of the sprinkler system)

Waste System Program Development

- **Increased 91% to \$404K**
- **Increase due to scheduled waste composition study**
- **Consultant Cost Increased \$146K**
 - **From \$0 in FY08**
 - **For Waste Sort Study Per 10-Year Plan**

RECYCLING OUTREACH & EDUCATION

- Increased 1% to \$357k (\$218k outreach/education)
- Provides for comprehensive education about recycling, buying recycled products, composting, and waste reduction across all sectors
- Publications include:
 - *Guide to Waste Reduction*
 - *Guide to Recycling*
- Print and distribute quarterly newsletter to civic and community leaders
- Provide buying recycled products information
- Conduct Earth Day and America Recycles Day events

SUPPORT FOR RECYCLING VOLUNTEERS

- **Increased 10% to \$199k (\$71k for outreach/education)**
- **Increase due to personnel reallocation and ordering slightly larger quantity of compost bins with increased per unit cost**
- **Provides for the ongoing efforts to interweave and maximize efforts of volunteers and staff to improve participation in recycling and waste reduction**
- **Continue efforts to increase volunteer recruitment**
- **Train and support volunteers**
- **Update and reprint recruitment materials and volunteer handbook/information manual**
- **Publish The Recycler newsletter**
- **Purchase compost bins**

REGULATION OF REFUSE & RECYCLING COLLECTION

- **Decreased 11% to \$69K**
- **Decrease due to reallocation of personnel costs**
- **Provides for the enforcement of license requirements and regulates private residential and commercial waste haulers, including those that collect and transport refuse or recyclables**

RESIDENTIAL HOUSEHOLD HAZARDOUS WASTE (HHW)

- Increased 6% to \$1.05 million (\$315k for outreach and education)
- Increase due to advertising costs
- Provides for the collection and disposal of hazardous household waste and produces public education ads/publications concerning the potential dangers of, and alternatives to, these products
- Includes the contractor-operated drop-off at the Transfer Station and scheduled satellite events; contractor packs and ships HHW to U.S. Environmental Protection Agency (EPA) approved disposal sites

RESOURCE RECOVERY FACILITY & RELATED WASTE TRANSFER

- Decreased 4% to \$33 million
- Decrease due to indexed contract costs
- Provides for the operation of the RRF and includes related costs at the Transfer Station and transportation of material between the two facilities
- Conduct extensive environmental and operational monitoring
- Purchase 45 trash containers
- Budget assumes same process tonnage of 604k



SATELLITE DROP-OFF SITES

- Increased 9% to \$577k
- Increase due to contractual costs
- Provides for disposal of non-putrescible bulky waste (up to 499 lbs.) by County residents at Damascus and Poolesville Highway Services Depots; weekend hours only
- In calendar year 2007, 458 and 261 loads were transported from Poolesville and Damascus for a total of 3,214 tons

SITE 2 LANDFILL

- Increased 84% to \$573k
- Increase due to repairing one pond and properly abandoning three others
- Continue leasing farms
- Property maintenance paid through chargeback from the Facilities Maintenance and Operations Section (Operations Division, DPWT)



HOUSING AND ENVIRONMENTAL PERMIT ENFORCEMENT

- **Budget projections prepared by DEP and Department of Housing and Community Affairs (DHCA)**
- **Increased 4% to \$1.05 million**
- **Increase due to slightly higher personnel costs**
- **Provides funds to DEP and DHCA to handle:**
 - **Storage and removal of solid waste**
 - **Illegal solid waste dumping activities**
 - **Stored inoperable and unregistered vehicles on private property**
 - **Improper screening of dumpsters**
 - **Removal of dangerous or unsightly trash, perimeter grass, and weeds**

SOLID WASTE TRANSFER STATION

- **Decreased 14% to \$3.76 million**
- **Decrease due to replacing contractor supervisor with County supervisor and reallocation of expenses**
- **Provides a receiving, processing, and shipping facility for municipal solid waste generated within the County**
- **Yard waste is also received, processed, and shipped to the compost facility, mulch preserves, or other outlets**
- **Handles recyclable material such as yard waste, tires, textiles, construction materials, oil, antifreeze, scrap metal, car batteries, computers, building materials, paper, and commingled materials**

WASTE DETOXIFICATION (ECOWISE PROGRAM)

- **Increased 20% to \$40k (\$14k for outreach and education)**
- **Increase due to higher advertising costs**
- **Provides assistance to businesses that qualify as small-quantity generators (SQG) of hazardous waste by providing them an economical and environmentally safe disposal option**
- **The County's hazardous waste contractor accepts SQG waste, and packs and ships material to EPA approved disposal sites**

WASTE REDUCTION

- **Increased 2% to \$243k**
- **Increase due to contractual costs**
- **Provides for the development of activities to reduce solid waste before it enters the waste stream**
- **Recovery of computers, textiles, bicycles, and construction materials for reuse or recycling**
- **Conduct outreach for reuse of non-hazardous water-based (latex) paints and yard waste reduction**

WASTE REDUCTION OF YARD TRIM

- **Same level of funding – \$135k (100% for outreach/ education)**
- **Program efforts focus on source reduction of yard trim through grasscycling and backyard/on-site composting**
- **Bi-annual educational mailings on grasscycling and on-site composting**
- **Conduct training (workshop) sessions on grasscycling and composting**
- **Work with landscape professionals and lawn care service providers**

DEBT SERVICE – DISPOSAL FUND

- **Decreased .3% to \$4.0 million**
- **Decrease in general obligation bond principal and interest**
- **Pays principal and interest payments for general obligation bonds and revenue bonds used to fund construction of County-owned solid waste management facilities (i.e. Recycling Center and Compost Facility, but not the Resource Recovery Facility)**
- **These amounts are scheduled**

ADMINISTRATION

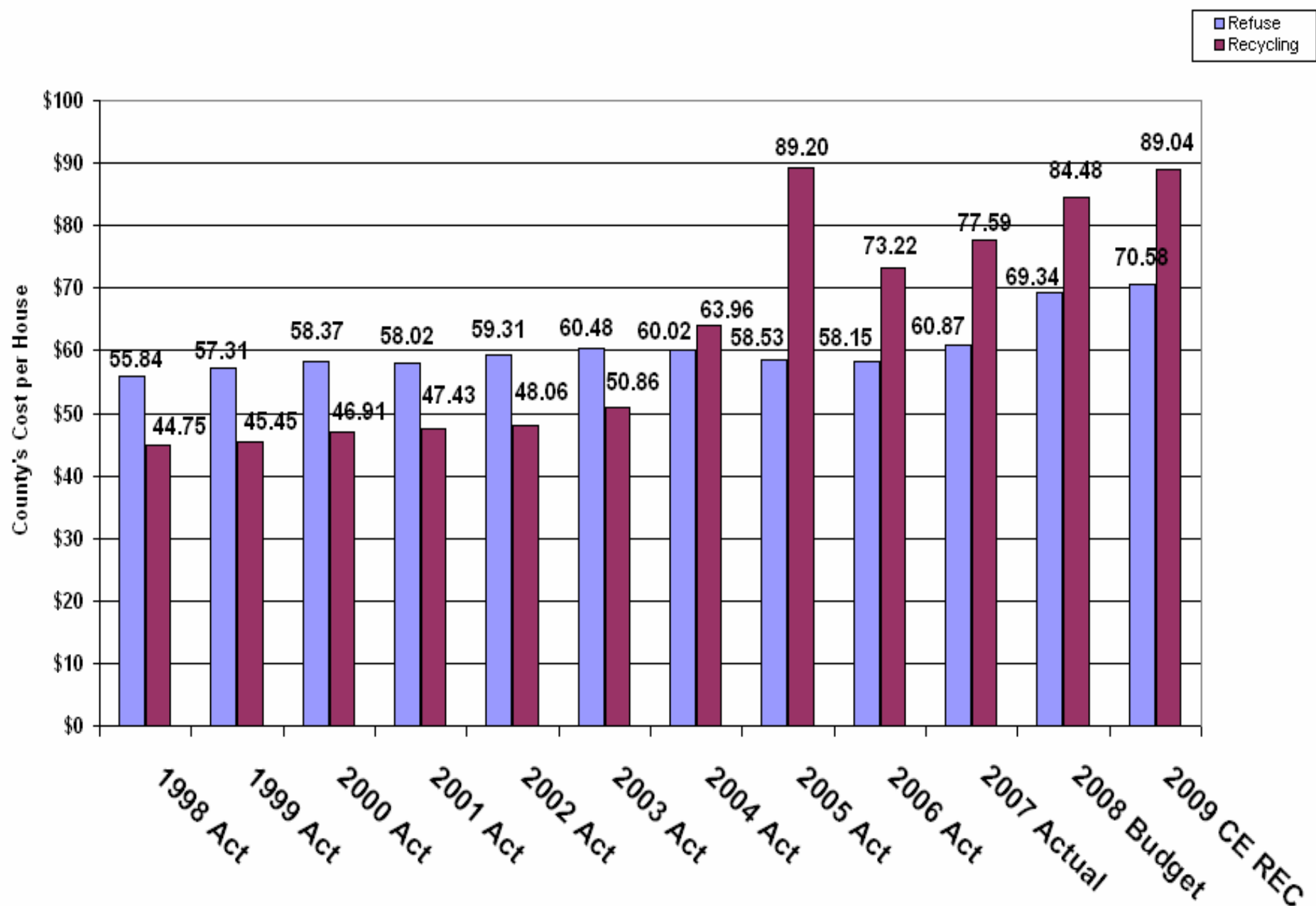
- **Increased 10% to \$1.87 million**
- **Increase due to additional cost to pre-fund retiree health insurance on the multi-year schedule**
- **Provides budget management, management analysis, human resource management, contract and procurement management support, and administrative program support**

REFUSE COLLECTION RESIDENTIAL

- **Increased 4% to \$6.3 million**
- **Increase due to fuel and contractual costs**
- **Provides for procuring, administering, and enforcing contracts with private haulers for residential refuse collection in Subdistrict A and respond to service needs from citizens**
 - **Contractual obligations:**
 - **Cost of living increases to contractors**
 - **New homes**
 - **Fuel costs predicted to be substantial**

Number of Households Served:
FY08 Estimate: 87,620
FY09 Estimate: 89,902

County's Collection Program Cost per Home Served #28B



LEAF VACUUM COLLECTION

- Increased 10% to \$5.3 million
- Increase due to motor pool and other operating expenses
- Budget projections prepared by the Division of Operations, Highway Maintenance Section (HMS)
- Highway Maintenance Section (Operations Division, DPWT) provides two vacuum leaf collections to the residents in the Leaf Vacuuming District during the late fall/winter months
- Leaves generated by this collection are composted at the Dickerson Compost Facility